

IN THE CLAIMS

The current claims follow. For claims not marked as amended in this response, any difference in the claims below and the previous state of the claims is unintentional and in the nature of a typographical error.

1 - 20. (Cancelled)

21. (Currently Amended) For use in a wireless network communications system, an apparatus for handing off a supplemental channel during a high speed packet data call ~~on a supplemental channel~~ comprising:

a source base station capable of communicating with a mobile station and a target base station,

wherein said target base station is capable of communicating with said source base station and said mobile station,

wherein said source base station is capable of handing off said supplemental channel to said target base station during said high speed packet data call, and

wherein said target base station is capable of receiving said supplemental channel when said supplemental channel is handed off from said source base station.

22. (Previously Presented) The apparatus as set forth in Claim 21 wherein said source

base station is further capable of handing off said high speed packet data call on said supplemental channel to said target base station; and

wherein said target base station is further capable of receiving said high speed packet data call on said supplemental channel handed off from said source base station.

23. (Previously Presented) The apparatus as set forth in Claim 22 wherein said source base station is capable of activating a non-retransmission mode of a Radio Link Protocol (RLP) in said source base station and in said target base station.

24. (Previously Presented) The apparatus as set forth in Claim 22 wherein said source base station comprises a first packet data handoff controller capable of sending supplemental channel configuration information to said target base station, and

wherein said target base station comprises a second packet data handoff controller capable of receiving said supplemental channel configuration information from said source base station.

25. (Previously Presented) The apparatus as set forth in Claim 24 wherein said supplemental channel configuration information comprises one of: a supplemental channel forward data rate, a supplemental channel reverse data rate, a supplemental channel burst duration, and a supplemental channel radio configuration.

26. (Previously Presented) The apparatus as set forth in Claim 24 wherein said first packet data handoff controller is capable of sending Radio Link Protocol (RLP) configuration information, to said target base station, and

wherein said second packet data handoff controller is capable of receiving said Radio Link Protocol (RLP) configuration information from said source base station.

27. (Previously Presented) The apparatus as set forth in Claim 26 wherein said first packet data handoff controller is capable of handing off to said target base station said high speed packet data call on said supplemental channel starting at a selected Radio Link Protocol (RLP) frame identified in said Radio Link Protocol (RLP) configuration information, and

wherein said second packet data handoff controller is capable of receiving from said source base station said high speed packet data call on said supplemental channel starting at said selected Radio Link Protocol (RLP) frame identified in said Radio Link Protocol (RLP) configuration information.

28. (Currently Amended) For use in a wireless network communications system comprising a source base station capable of communicating with a mobile station and with a target base station, wherein said target base station is capable of communicating with said mobile station and with said source base station, a method for handing off a supplemental channel during a high speed packet data call from said source base station to said target base station, said method

comprising the steps of:

providing said source base station capable of handing off a said supplemental channel to said target base station;

providing a target base station capable of receiving said supplemental channel when said supplemental channel is handed off from said source base station; and

handing off said high speed packet data call from said source base station to said target base station on said supplemental channel.

29. (Previously Presented) The method as claimed in Claim 28 further comprising the step of activating a non-retransmission mode of a Radio Link Protocol (RLP) in said source base station and in said target base station.

30. (Previously Presented) The method as claimed in Claim 28 wherein said step of providing said source base station capable of handing off said supplemental channel to said target base station further comprises the step of providing the source base station that comprises a packet data handoff controller that is capable of sending supplemental channel configuration information to said target base station.

31. (Previously Presented) The method as claimed in Claim 30 wherein said supplemental channel configuration information comprises one of: a supplemental channel forward

data rate, a supplemental channel reverse data rate, a supplemental channel burst duration and a supplemental channel radio configuration.

32. (Previously Presented) The method as claimed in Claim 28 wherein said step of providing said target base station capable of receiving said supplemental channel when said supplemental channel is handed off from said source base station further comprises the step of providing said target base station that comprises a packet data handoff controller that is capable of receiving supplemental channel configuration information from said source base station.

33. (Previously Presented) The method as claimed in Claim 32 wherein said supplemental channel configuration information comprises one of: a supplemental channel forward data rate, a supplemental channel reverse data rate, a supplemental channel burst duration, and a supplemental channel radio configuration.

34. (Currently Amended) For use in a wireless network communications system comprising a source base station capable of communicating with a mobile station and with a target base station capable of communicating with said mobile station and with said source base station, a method for handing off a supplemental channel during a high speed packet data call from said source base station to said target base station, said method comprising the steps of:

providing said source base station capable of handing off a said supplemental channel to a

target base station;

providing said target base station capable of receiving said supplemental channel when said supplemental channel is handed off from said source base station;

activating a non-retransmission mode of a Radio Link Protocol (RLP) in said source base station and in said target base station;

sending supplemental channel configuration information from said source base station to said target base station;

sending Radio Link Protocol (RLP) configuration information from said source base station to said target base station;

handing off a high speed packet data call from said source base station to said target base station on said supplemental channel; and

receiving in said target base station said high speed packet data call on said supplemental channel starting at a selected Radio Link Protocol (RLP) frame identified in said Radio Link Protocol (RLP) configuration information.

35. (Previously Presented) The method as claimed in Claim 34 wherein said step of providing said source base station capable of handing off said supplemental channel to said target base station further comprises the step of providing said source base station that comprises a packet data handoff controller capable of sending supplemental channel configuration information and Radio Link Protocol (RLP) configuration information to said target base station.

36. (Previously Presented) The method as claimed in Claim 35 wherein said supplemental channel configuration information comprises one of: a supplemental channel forward data rate, a supplemental channel reverse data rate, a supplemental channel burst duration, and a supplemental channel radio configuration.

37. (Previously Presented) The method as claimed in Claim 34 wherein said step of providing said target base station capable of receiving said supplemental channel when said supplemental channel is handed off from said source base station comprises the step of providing said target base station that comprises a packet data handoff controller capable of receiving supplemental channel configuration information and Radio Link Protocol (RLP) configuration information from said source base station.

38. (Previously Presented) The method as claimed in Claim 37 wherein said supplemental channel configuration information comprises one of: a supplemental channel forward data rate, a supplemental channel reverse data rate, a supplemental channel burst duration, and a supplemental channel radio configuration.

39. (Previously Presented) The method as claimed in Claim 34 further comprising the steps of:

sending a Handoff Required message from said source base station to a mobile switching center, wherein said Handoff Required message contains supplemental channel configuration information and Radio Link Protocol (RLP) configuration information;

sending a Handoff Request message from said mobile switching center to said target base station, wherein said Handoff Request message contains supplemental channel configuration information and Radio Link Protocol (RLP) configuration information;

sending a Handoff Request Acknowledgement message from said target base station to said mobile switching center indicating that said target base station can support said high speed packet data call;

connecting said target base station to a packet data server node to receive said high speed packet data call;

handing off said high speed packet data call from said source base station to said target base station on said supplemental channel; and

receiving in said target base station said high speed packet data call on said supplemental channel starting at a selected Radio Link Protocol (RLP) frame identified in said Radio Link Protocol (RLP) configuration information.

40. (Previously Presented) The method as claimed in Claim 39 wherein said step of handing off said high speed packet data call from said source base station to said target base station on said supplemental channel comprises the steps of:

sending a Handoff Command message from said mobile switching center to said source base station to cause said high speed packet data call to be handed off to said target base station; and

sending a Handoff Direction message from said source base station to said mobile station to inform said mobile station of said handoff of said high speed packet data call to said target base station.